PHILIP MORRIS U.S.A.

INTER-OFFICE CORRESPONDENCE

Louisville, Kentucky

To: Mr. Charles G. Bates Date: February 11, 1972

From: W. A. Speicher

Subject: Marlboro King Size Produced at Louisville Factory with 21 mm Filter

Attached are the average smoking and physical testing results dating from December 8, 1971 to January 31, 1972 on Marlboro K. S. cigarettes produced with a 21 mm filter. Also listed are the smoking and physical testing data on Marlboro K.S. with a 20 mm filter length which were sampled for control purposes.

CONCLUSIONS:

1. No significant difference was noted in delivered tars between the test (21 mm) and control (20 mm) samples. At the time this changeover began, the autoanalyzer was not yet in routine operation. As a result, dry tars are reported rather than FTC tars.

2. Physical testing on both test and control samples were within statistical limits and agreed very well with one another.

DISCUSSION:

All K.S. makers have now been converted to 21 mm filter lengths and smoking and physical properties are now being monitored in our routine weekly testing. Cigarettes were tested daily throughout the entire changeover period, i.e. 16 ports filtered and unfiltered in addition to physical testing.

W. A. Speicher

WAS/cb

cc: Messrs. Rottman, Mathis, Davis, Martin, Donohue, Taylor

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Source: https://www.industrydocuments.ucsf.edu/docs/kthm0004

RESULTS OF TESTING

Butt Length (mm)	28	28
Brand	Marlboro	Marlboro
Length (mm)	84.4	84.4
Cigarette Paper	Sch. 137-1	Sch. 137-1
Denier	2.9/41,000	3.4/46,000
Filter Length	21	20
Delivered Tars (mgms/cigt)	20.1	19.8
Available Tars (mgms/cigt)	33.8	33.6
RTD Total (in of H_2O)	4.49	4.40
RTD Plug (in of H_2O)	2.90	2.85
Circumference (mm)	25.21	25.22
500 Weight	535.0	528.0

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